

## Diagnosis system, especially for control

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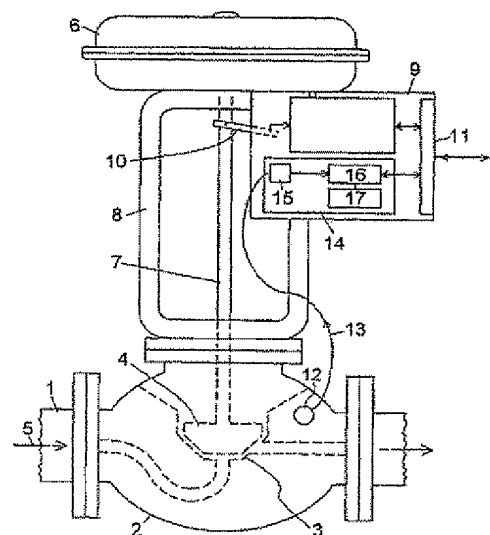
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### Abstract of DE19947129

A diagnosis system, especially for a valve (2) actuated by a positional controller (9), via a drive (6), has a sound-probe (12) for structure-borne noise and a device (14) for evaluating the received measurement signal (13). The evaluation device (14) is designed so that a spectral zone of the measurement signal (13) above a first limiting frequency (C), which is greater than 50Hz, is evaluated for error detection, and an error signal is generated if the intensity of the measurement signal (13) in this spectral range exceeds a given threshold value. The sound-probe is specifically provided with an active high-pass filter in order to reduce the sound component in the measurement signal caused by the low-frequency (LF) working noise.



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